

## SPECIAL ISSUE: Cancer Research Training

### Oncology Training Resources

NCI supports training for people at all levels of expertise, ranging from summer internships for high school and college students to focused training in new disciplines for tenured scientists. For a complete listing, visit NCI's Center for Cancer Training Web site at <http://www.cancer.gov/cct>.









	High School Students	Undergrad	Graduate/ Medical Students	Post- docs	Clinicians/ Fellows	Senior – level Scientists
<b>From NCI</b>						
<b>CCT Cancer Training Branch</b>			●	●	●	●
In addition to coordinating intramural training through the respective divisions at NCI, CCT offers extramural training through the Cancer Training Branch. These include 10 individual training and career development awards for 1 to 5 years, and 4 institutional training awards that provide support for 1 to 3 years. See: <a href="http://www.cancer.gov/researchandfunding/cancertraining/outsidenci">http://www.cancer.gov/researchandfunding/cancertraining/outsidenci</a>						
<b>Center for Cancer Research Fellowships</b>	●	●	●	●	●	
CCR and NCI offer postgraduate, doctoral, and postdoctoral fellowships; clinical residencies; and programs in basic cancer, HIV/AIDS, and clinical and translational research. Clinical training opportunities are also available in anatomic pathology, medical oncology, pediatric hematology/oncology, surgical oncology, and more. See: <a href="http://ccr.cancer.gov/careers/">http://ccr.cancer.gov/careers/</a> and <a href="http://www.cancer.gov/researchandfunding/cancertraining/atnci/howtoapply">http://www.cancer.gov/researchandfunding/cancertraining/atnci/howtoapply</a> and <a href="http://home.ccr.cancer.gov/ccratagance/training.asp">http://home.ccr.cancer.gov/ccratagance/training.asp</a>						
<b>Division of Cancer Epidemiology and Genetics Fellowships</b>	●	●	●	●	●	
Postgraduate, doctoral, and postdoctoral fellows work with scientific mentors to design, carry out, analyze, and publish research studies on the causes of cancer and related conditions in human populations, as well as explore new approaches to cancer prevention. The DCEG summer research experience is an 8-week program for high school, college, and graduate students, including medical and dental students, who are interested in exploring careers in cancer epidemiology, biostatistics, and genetics. See: <a href="http://dceg.cancer.gov/fellowships">http://dceg.cancer.gov/fellowships</a>						
<b>Cancer Prevention Fellowship Program</b>				●	●	
The CFPF provides advanced training opportunities in cancer prevention and control for individuals from a variety of health sciences disciplines. Training opportunities include earning a Master of Public Health degree, participating in NCI's Summer Curriculum in Cancer Prevention, mentored research opportunities at NCI and the FDA, and professional development and leadership training. See: <a href="http://www3.cancer.gov/prevention/pob/">http://www3.cancer.gov/prevention/pob/</a>						

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<b>From NCI</b>						
<b>Center to Reduce Cancer Health Disparities</b>			●	●	●	●
The Diversity Training Branch in CRCHD coordinates multiple research training and funding opportunities for scientists and clinicians from backgrounds that are underrepresented in research, including minorities, women, people with disabilities, those from socioeconomically disadvantaged backgrounds, and others. See: <a href="http://crchd.cancer.gov/diversity/diversity-index.html">http://crchd.cancer.gov/diversity/diversity-index.html</a>						
<b>Division of Cancer Control and Population Sciences</b>			●	●		●
DCCPS provides training opportunities for graduates of postdoctoral, master's, and bachelor's degree programs with education and interest in cancer control research, including health promotion, health communications, informatics, and other areas of behavioral and social science. The Cancer Research Training Award offers stipends to support research training. See: <a href="http://dccps.nci.nih.gov/brp/about/career_training.html">http://dccps.nci.nih.gov/brp/about/career_training.html</a>						
<b>Health Communications Internship Program</b>			●			
The HCIP gives highly qualified graduate students and recent graduate school graduates the opportunity to participate in vital health and science communications projects. Interns plan, develop, and promote cancer education programs and materials for the public, cancer patients, or health professionals, and they gain experience in evaluating cancer prevention and treatment messages, publications, materials, and programs. See: <a href="https://hcip.nci.nih.gov/">https://hcip.nci.nih.gov/</a>						
<b>Interagency Oncology Task Force Joint Fellowship Training Program</b>				●	●	
This joint NCI-FDA fellowship trains scientists in preclinical oncology research, cancer prevention, and clinical trials methodology, as well as medical product and other regulatory research and review, helping fellows learn to bridge the development and review processes. See: <a href="http://iotftraining.nci.nih.gov/">http://iotftraining.nci.nih.gov/</a>						
<b>NCI-Frederick Training Opportunities</b>	●	●	●	●	●	●
The NCI-Frederick campus provides postdoctoral and predoctoral fellowship opportunities, as well as internship opportunities for college and high school students who are interested in biomedical research. A number of NCI-Frederick principal investigators and laboratories also participate in the Cancer Research Training Award. See: <a href="http://web.ncifcrf.gov/careers/default.asp">http://web.ncifcrf.gov/careers/default.asp</a> and <a href="http://web.ncifcrf.gov/careers/student_programs/internships/CRTA.asp">http://web.ncifcrf.gov/careers/student_programs/internships/CRTA.asp</a>						
<b>Office of International Affairs</b>			●	●	●	●
This office coordinates intramural and exchange training programs for scientists from around the world, as well as international courses and workshops. See: <a href="http://oia.cancer.gov/training-research.shtml">http://oia.cancer.gov/training-research.shtml</a>						
<b>Sallie Rosen Kaplan Fellowships</b>				●	●	
This is a competitive program for female postdoctoral fellows applying to train in any of the NCI's intramural research settings, including basic, clinical, epidemiological, and prevention sciences. The fellowship is normally 2 to 5 years in length, and applicants must have earned a doctorate degree within the past 5 years, such as a Ph.D., M.D., Dr.PH, or equivalent. See: <a href="http://www.cancer.gov/researchandfunding/training/srk">http://www.cancer.gov/researchandfunding/training/srk</a>						

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<b>Technology Transfer Fellowships</b>			•	•		
<p>This fellowship provides advanced training in the application of state-of-the-art techniques of technology transfer. On-the-job training includes drafting and negotiating Cooperative Research and Development Agreements for NCI scientists and their industrial/academic research partners. Fellows may also develop technology transfer educational programs for scientists and oversee patent-related issues.</p> <p>See: <a href="http://ttc.nci.nih.gov/employment/crtafe.php">http://ttc.nci.nih.gov/employment/crtafe.php</a></p>						

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At NIH						
Emerging Leaders Program			•			
<p>This 2-year paid internship provides an opportunity for those working on or finished with a graduate degree to begin a professional career in the U.S. Department of Health and Human Services (HHS) by rotating through the agencies overseen by the department, including NIH and the institutes and centers that compose it. The program offers seven career tracks that target occupational specialties, including science, public health, information technology, human resources, and others. Participants select one of these tracks, based on their previous experience and career goals within HHS.</p> <p>See: <a href="http://hhsu.learning.hhs.gov/elp/">http://hhsu.learning.hhs.gov/elp/</a></p>						
NIH Management Intern Program	For NIH employees					
<p>A 1-year paid internship for current NIH employees (grade 5 or higher) who are interested in transitioning their career to a new field at NIH and preparing for a leadership position at one of the respective institutes or centers.</p> <p>See: <a href="http://www.jobs.nih.gov/intern/about.html">http://www.jobs.nih.gov/intern/about.html</a></p>						
Presidential Management Fellows Program			•			
<p>This 2-year paid fellowship for those who have completed a graduate, law, or medical degree, allows recipients to explore career opportunities within a broad spectrum of specialties at NIH, as well as other HHS agencies, and in Congress. Fellows are matched with a mentor and receive an additional training stipend of \$2,500 per year.</p> <p>See: <a href="http://www.jobs.nih.gov/intern/about_pmi.html">http://www.jobs.nih.gov/intern/about_pmi.html</a></p>						
Other Training Resources at NIH	A complete directory is available at: <a href="http://www.training.nih.gov/index.asp">http://www.training.nih.gov/index.asp</a>					

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<b>Outside NIH</b>						
<b>American Cancer Society</b>			●	●	●	●
Fellowships and training programs are available in basic, preclinical, clinical, epidemiological, psychosocial, behavioral, and health policy research. Career development awards for clinicians and social workers, special initiatives in palliative care and cancer health disparities, and stipends for international professors to train in the United States for a year are also available. See <a href="http://www.cancer.org/docroot/RES/RES_5_1.asp?sitearea=RES">http://www.cancer.org/docroot/RES/RES_5_1.asp?sitearea=RES</a>						
<b>American Association for Cancer Research</b>	●	●	●	●	●	
Career development awards are given to junior faculty members, clinicians, and graduate students according to specific topics in cancer research, such as cancer sites or mechanisms of tumorigenesis. Other programs are designed to encourage high school and undergraduate students to pursue careers in cancer research, with awards to attend the annual research conference, as well as programs that match students with mentors at the conferences. See: <a href="http://www.aacr.org/home/scientists/research-funding--fellowships.aspx">http://www.aacr.org/home/scientists/research-funding--fellowships.aspx</a> and <a href="http://www.aacr.org/home/scientists/science-education-for-the-next-generation-of-cancer-researchers.aspx">http://www.aacr.org/home/scientists/science-education-for-the-next-generation-of-cancer-researchers.aspx</a>						
<b>American Society of Clinical Oncology</b>			●	●	●	●
Opportunities for clinicians and clinician scientists to obtain CME credits online or in person; attend symposia, workshops, and meetings; and receive awards and grants for career development through research and training in the United States or internationally. See: <a href="http://www.asco.org/ASCOv2/Education+%26+Training">http://www.asco.org/ASCOv2/Education+%26+Training</a> and <a href="http://www.ascocancerfoundation.org/TACF/Professional+Education+and+Support">http://www.ascocancerfoundation.org/TACF/Professional+Education+and+Support</a>						
<b>Oncology Nursing Society</b>					●	
The Oncology Nursing Society's foundation funds research grants, research fellowships, academic scholarships, lectures, public education projects, career development awards, and Congressional scholarships. See: <a href="http://www.onsfoundation.org/funding.shtml">http://www.onsfoundation.org/funding.shtml</a>						
<b>The Leukemia &amp; Lymphoma Society</b>				●	●	●
Online CME and Webcasts for oncology nurses, clinicians, and social workers. Career development awards for junior and senior cancer researchers. There are also workshops for cancer patients and caregivers to help with a variety of survivorship issues. See: <a href="http://www.leukemia-lymphoma.org/all_page?item_id=8433">http://www.leukemia-lymphoma.org/all_page?item_id=8433</a> and <a href="http://www.leukemia-lymphoma.org/all_page.adp?item_id=488765">http://www.leukemia-lymphoma.org/all_page.adp?item_id=488765</a>						
<b>American Society of Hematology</b>			●	●	●	
Online resources for hematology professionals (Ph.D. and clinical), including teaching cases and case studies, career guidance, and an online grants "clearinghouse" that references research and training funds available from a wide variety of sources specifically for hematology. See: <a href="http://www.hematology.org/Training/">http://www.hematology.org/Training/</a>						

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<b>Outside NIH</b>						
<b>Damon Runyon Cancer Research Foundation</b>						
Research and career development awards for cancer researchers and clinical scientists in the early stages of their careers. See: <a href="http://www.damonrunyon.org/why_us/categories/category/our_award_programs/">http://www.damonrunyon.org/why_us/categories/category/our_award_programs/</a>						
<b>Department of Defense</b>						
Congress appropriates money each year to the Department of Defense Congressional Special Interest Medical Research Programs for biomedical research, including studies of several types of cancer. Opportunities are available for clinical and postdoctoral fellows, with special funds to encourage mentoring and translational research. For more information, see the Congressionally Directed Medical Research Programs site at: <a href="http://cdmrp.army.mil/">http://cdmrp.army.mil/</a> .						
<b>UICC International Cancer Fellowships</b>						
The International Union Against Cancer (UICC) offers fellowships and links to outside resources for training that are meant for researchers, clinicians, epidemiologists, and public health professionals from around the world. More than 200 fellowships are awarded each year. See: <a href="http://www.uicc.org/index.php?option=com_content&amp;task=view&amp;id=16&amp;Itemid=116">http://www.uicc.org/index.php?option=com_content&amp;task=view&amp;id=16&amp;Itemid=116</a> .						